

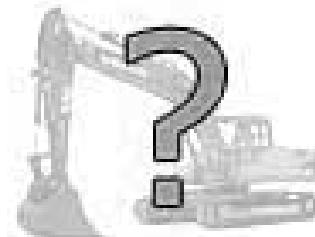


CONSTRUCTION EQUIPMENT

NO UNIT VCP386769 - DIESEL ENGINE



Sample No: VCP386769
Oil Type: CHEVRON 15W40
Job No:



SAMPLE INFORMATION

Sample Number	VCP386769	---	---	---
Sample Date	15 Jul 2023	---	---	---
Machine Hours	610	---	---	---
Oil Hours	310	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

GREAT WEST EQUIPMENT RENTAL FLEET
 4700 COLLIER PLACE
 WILLIAMS LAKE, BC
 CA V2G 5E9
 Contact: Garrett Gejdos
 ggejdos@gwequipment.com
 T:
 F:



OIL CONDITION

Visc @ 100°C	cSt	█ 12.7	---	---	---
Oxidation (PA)	%	█ 68	---	---	---



CONTAMINATION

Soot %	%	█ 0	---	---	---
Nitration (PA)	%	█ 78	---	---	---
Sulfation (PA)	%	█ 55	---	---	---
Glycol	%	█ 0.0	---	---	---
Fuel	%	<1.0	---	---	---
Silicon	ppm	█ 5	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ <1	---	---	---

Diagnosis

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Copper ppm levels are abnormal. Bearing wear is indicated. There is no indication of any contamination in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.



WEAR METALS

Iron	ppm	█ 12	---	---	---
Copper	ppm	▲ 602	---	---	---
Lead	ppm	█ 15	---	---	---
Tin	ppm	█ 0	---	---	---
Aluminum	ppm	█ 3	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 73	---	---	---
Nickel	ppm	█ 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	█ 2201	---	---	---
Magnesium	ppm	█ 43	---	---	---
Zinc	ppm	█ 1221	---	---	---
Phosphorus	ppm	█ 1091	---	---	---
Barium	ppm	█ <1	---	---	---
Boron	ppm	█ 31	---	---	---

Depot: MAR4700WIL
Unique No: 5616707
Signed: Kevin Marson
Report Date: 24 Jul 2023



CONSTRUCTION EQUIPMENT



GRAPHS

